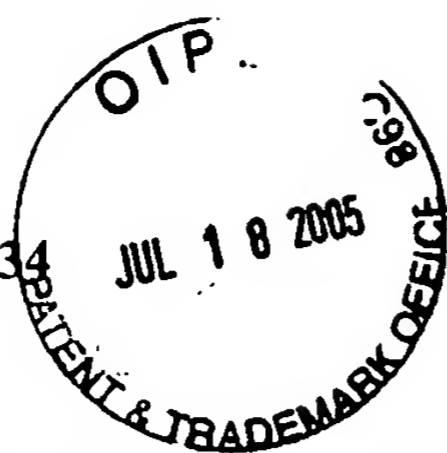


DOCKET NO.: CRNT-0034



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

**Paul A. Kline**

Confirmation No.: **4988**

Application No.: **10/016,998**

Group Art Unit: **2633**

Filing Date: **December 14, 2001**

Examiner: **David C. Payne**

For: **INTERFACING FIBER OPTIC DATA WITH ELECTRICAL  
POWER SYSTEMS**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**SUPPLMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☐ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

07/20/2005 HAL111 00000007 10016998

01 FC:1806

180.00 OP

☒ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☒ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

☒ Copies of reference numbers 27 - 40 listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of reference numbers on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

There are no listed references which are not in the English language.

DOCKET NO.: CRNT-0034

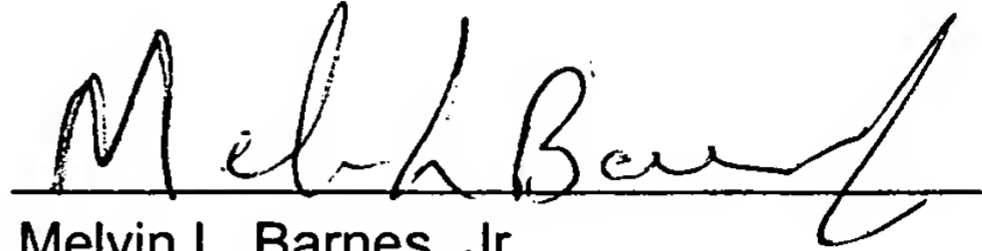
- 3 -

PATENT

Please charge any deficiency or credit any overpayment to Deposit Account

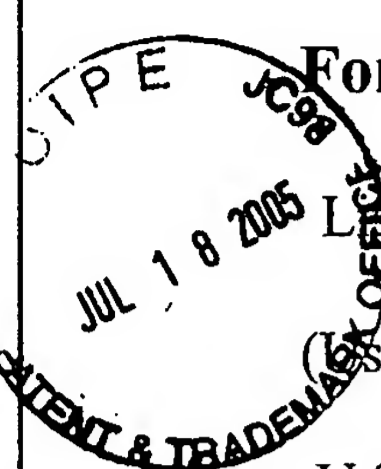
No. 50-0687. This form is submitted in duplicate.

Date: July 18, 2005

A handwritten signature in black ink, appearing to read "Melvin L. Barnes, Jr.", written over a horizontal line.

Melvin L. Barnes, Jr.  
Registration No. 38,375

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 <b>Form PTO-1449 Modified</b> List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>CRNT-0034</b>	Serial No. 10/016,998
	Applicant KLINE	Confirmation No. 4988
	Filing Date December 14, 2001	Group 2633

### U. S. PATENT DOCUMENTS

Examiner's Initials		Document No.	Date	Name	Class	Subclass
	1	3,973,087	08/03/76	Fong	340	310.06
	2	4,060,735	11/29/77	Pascucci et al.	307	3
	3	4,250,489	02/10/81	Dudash et al.	340	147 T
	4	4,475,209	10/02/84	Udren	375	214
	5	4,599,598	07/08/86	Komoda et al.	340	310.02
	6	4,638,298	01/20/87	Spiro	370	392
	7	5,818,821	10/06/98	Schurig	370	293
	8	5,870,016	02//09/99	Shresthe	340	310.01
	9	6,480,510 B1	11/12/02	Binder	370	502
	10	6,854,059	02/08/05	Gardner	380	277
	11	2002/0048368 A1	04/25/02	Gardner	380	277
	12	2002/0109585 A1	08/15/02	Sanderson	340	310.01

**EXAMINER****DATE CONSIDERED**

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List of Patent and Publications  
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U.S. Department of Commerce  
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December 14, 2001

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**U. S. PATENT DOCUMENTS**

Examiner's Initials		Document No.	Date	Name	Class	Subclass
	13	2003/0067910 A1	04/10/03	Razazian et al.	370	352
	14	2003/0129978 A1	07/10/03	Akiyama et al.	455	426.1
	15	2003/0184433 A1	10/02/03	Zalitzky et al.	340	310.06
	16	2003/0224784 A1	12/04/03	Hunt et al.	455	426.2
	17	2003/0227373 A1	12/11/03	Lou et al.	340	310.01
	18	2004/0037317 A1	02/26/04	Zalitzky et al.	370	466
	19	2004/0067745 A1	04/08/04	Belsak	455	402
	20	2004/0110483 A1	06/10/04	Mollenkopf	455	402
	21	2004/0135676 A1	07/15/04	Berkman et al.	340	310.01
	22	2004/0174851 A1	09/09/04	Zalitzky et al.	370	338
	23	2004/0242185 A1	12/02/04	Lee	455	402
	24	2004/0233928	11/25/04	Pozsgay		

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**U. S. PATENT DOCUMENTS**

Examiner's Initials		Document No.	Date	Name	Class	Subclass
	25	2005/0063422	03/24/05	Lazar		
	26	6,281,784	08/28/01	Redgate		

**EXAMINER****DATE CONSIDERED**



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	Applicant KLINE	Confirmation No. 4988
	Filing Date December 14, 2001	Group 2633

**FOREIGN PATENT DOCUMENTS**

Examiner 's Initials		Document No.	Date	Country	Translation	
					YES	NO
	27	0 822 721 A2, A3	02/04/98	EP	X abstract & Ind. Claim	
	28	1 251 646 A2	10/23/02	EP	X abstract & Ind. Claim	
	29	03/009083 A2, A3	01/30/03	WO		
	30	03/010896 A1	02/06/03	WO		
	31	03/30396 A2	04/10/03	WO	X abstract & Claims	
	32	04/102868	11/25/04	WO		

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**DATE CONSIDERED**



<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. 10/016,998
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U.S. Department of Commerce Patent and Trademark Office			
<b>Examiner's</b>			
<b>Initials</b>	<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>33</b>	Patent Abstracts of Japan, Japanese Publication No. 10200544 A2, published <b>July 31, 1998</b> , (Matsushita Electric Works, LTD)	
	<b>34</b>	HomePlug™Powerline Alliance, HomePlug Initial Draft Medium Interface Specification, <b>May 19, 2000</b> , 109 pages	
	<b>35</b>	HomePlug™Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, <b>November 28, 2000</b> , 133 pages	
	<b>36</b>	HomePlug™Powerline Alliance, HomePlug Initial Draft Medium Interface Specification, <b>July 27, 2000</b> , 109 pages	
	<b>37</b>	HomePlug™Powerline Alliance, HomePlug 1.01 Specification, <b>December 1, 2001</b> , 139 pages	
	<b>38</b>	Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Applications," IEEE Transactions on Consumer Electronics, <b>August 1983</b> , Vol. CE-29, No. 3, pp. 297-304	
	<b>39</b>	Onunga, J. et al., "Distribution Line Communications Using CSMA Access Control with Priority Acknowledgements," IEEE Transactions on Power Delivery, <b>April 1989</b> , Vol. 4, No. 2, pp. 878-886	
	<b>40</b>	Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS FOR HOME BUS," IEEE Transactions on Consumer Electronics, <b>August 1986</b> , Vol. CE-32, No. 3, pp. 550-557	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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